TARC NEWSLETTER

TITUSVILLE AMATEUR RADIO CLUB

AUGUST, 1995

OFFICERS

PRESIDENT: Charles Fagel KR4YZ 267-1475 SECRETARY: Bobbi Sue Wood AD4VV 268-8537
V.PRESIDENT: Tom Nguyen AD4NA 636-6663 TREASURER: Clyde Lee K4EOS 267-9375

CLUB INFORMATION

TARC Meetings: Monthly on 4th Tuesday at 1900 hrs at Jaycee Building
TARC Nets: VIP - Thursdays at 1000 hrs on 146.910
Friendship - Thursdays at 1830 hrs on 146.910
Mosquito - Wednesdays at 1900 hrs on 28.333
TARC Repeaters: VHF - 146.910 and 146.970. UHF - 444.150

PRESIDENT'S CORNER

By Charles Fagel KR4YZ

Our thanks and appreciation to those who assisted in the recent county hurricane drill. Stations at various fire stations, Jess Parish Medical Center and the Miracle City Mall were manned by the following: Cliff KC4SYD, Mike KE4MWZ, Chuck KE4RIV, Ozzie N4SCY. Bill W9IOS, Skid KD4DOJ, Eddie KE4MFT and Charlie KR4YZ

>Our thanks also to the following for their assist at the Jaycee Fourth of July fireworks. Mitch AC4WM, Eddie KE4MFT, Pike W4EPU, Ozzie N4SCY, Bud K4CWG and Chuck KE4RIV. We know there were others who assisted in various ways, including boats, but we failed to get them identified. Along with Donna Perry of the Jaycees, we wish to express our thanks and appreciation for your help

>Well, field day has come and gone. Thanks to Warren KS4GP and his helpers for a very successful and enjoyable field day. Our thanks and appreciation to all the others - operators, recorders, cooks, workers and visitors who supported and made this field day the success it was. Even the weather cooperated by giving us the traditional rain that highlights every field day. A special bouquet to the younger generation, who did such a great job throughout the day and night. Looks as though we have a new generation of dedicated hams coming up. We refrain from listing names because there were so many that deserve credit, and we do not want to overlook anyone.

>Now that field day is over, our efforts will be concentrated on your TARC Hamfest on November 11th. Cliff KC4SYD needs lots of help, so volunteer now. We cannot wait until the last minute to organize the event. The hamfest is our only fund raiser, so lets make it a big one!

>Don't forget the planned pot luck dinner on September 26. Call Kay KD4VFQ for information or to volunteer.

>Anyone having club equipment in their custody, please contact Warren KS4GP.

TWO THINGS TO KEEP IN MIND

1. We have applied for a club call sign. If desired, we should decide what we would like to have, and apply for a vanity call. How about TA4RC?

2. The time is coming up for selection of the Ham Of The Year. Give your recommendations to Tom AD4NA.

SEE YOU AT THE MEETING 25TH JULY.

AUGUST BIRTHDAYS

AUGUST 2	KE4WRJ	KEN STRAYER
AUGUST 3	KE4WJT	ARLENE McLEAN
AUGUST 4	KC4ZHE	JOHN HALASZ
AUGUST 5	KC4VMQ	DONNA CLARK
AUGUST 7	KE4SEW	GREG BENNETT
AUGUST 7	N1OGE	BERTHA BONARDI
AUGUST 10	KE4BBG	TOYIA NGUYEN
AUGUST 14	AD4VV	BOBBI SUE WOOD
AUGUST 15	KC4UEV	BURCK GROSSE
AUGUST 16	AD4NA	TOM NGUYEN
AUGUST 16	W4EPU	PIKE ABELL
AUGUST 17	KE4LNR	BEN SPENCER
AUGUST 17	N9EZV	KEN TENDICK
AUGUST 18	KE4BBH	JIM PREVATT
AUGUST 19	AA2UE	MIKE CAVALERA
AUGUST 19	KE4PRW	MANNY ASPACIO
AUGUST 20	KC4WGU	MIKE HENSLEY
AUGUST 21	WD4JNM	MARTY COIN
AUGUST 23	KD4VFU	JACK HALL
AUGUST 23	KB4CAS	MICHELL YOUNG
AUGUST 24	KC4NXF	ROY SMYTHE
AUGUST 28	KV4BY	CLARENCE BAUER
AUGUST 28	KS4MIW	SHARON RUSSELL
AUGUST 29	KA4WHP	DIANE McLEAN
AUGUST 29	KE4HOE	FRED HADDAD
AUGUST 31	W4OPZ	JOE SINGLETON
AUGUST 31	N4VIU	MARY SCHWAGER

FIELD DAY FOOD

Saturday night supper at field day was, as usual, delicious because, as usual, all who came brought along a wonderful covered dish. The two most sought after recipes were Shirley Fagel's hot potato salad and Marty Coin's carrot cake. We thought you would enjoy having these recipes for your file.

SHIRLEY'S HOT POTATO SALAD

Shirley said, "I had never made this before. My sister served it while we were visiting in June. I made it the day before and reheated on low the next afternoon. I added about 1/4 C more vinegar as it was sticking to the bottom of the pan. Also added a bit of the bacon grease."

2 qt's.	Cooked red potatoes cooled, peeled and sliced.
1	Green pepper, diced
2	Onions, diced
1/2 C	vinegar (I used Marukan Seasoned Gourmet Rice Vinegar)
1/4 C	Sugar (next time I'll use a little less)
1/2 lb.	Crisp bacon
	Salt & pepper
	Little water

In a small sauce pan simmer 5 minutes the vinegar, sugar & water. Put vinegar mix into potatoes along with rest of ingredients. Simmer about 1/2 hr.

MARTY'S CARROT CAKE

2 C	Sugar	**ICING**
4	Eggs	8 oz. cream cheese softened
1-1/4 C	Vegetable oil	1 box 4xxx powdered sugar
2 C	Flour	3/4 stick of butter softened
1 t.	Baking soda	2 t. vanilla
2 t.	Cinnamon	1 C chopped nuts
1 t.	Salt	
2 t.	Baking powder	
3 C	Grated carrots	
1 t.	Vanilla	
1 C	Chopped nuts (optional)	

Grease and flour 3 cake pans. Blend together sugar, eggs, oil. Combine dry ingredients and add to sugar, egg & oil combination. Add vanilla and nuts. Divide batter between the 3 pans. Bake at 350 deg. about 35 minutes or until cake comes away from side of pan. Cool cake layers on rack.

Prepare icing . Ice between layers then cover top and sides with icing.

FIELD DAY REPORT

By Warren KS4GP

FIELD DAY 95 is now behind us. I would like to say how greatly I appreciate the committee I worked with. They were very instrumental in making it the success that it was. KC4TE Gene, KC4SYD Cliff, WD4JNM Marty, KD4VFQ Kay. These people went beyond the call of duty.

Tom AD4NA and Bud K4CWG were very helpful with the computers for logging and totals. Les K4SJC was very busy with building, soldering and checking out (megging) all coax. He was very valuable as our tech rep for the whole operation. N4LEM's 10 meter beam perched high atop Dan KE4OZD's 60' tower brought Ace KE4ZOZ about 101 contacts on 10 meters. Dan's 2 meter station took care of all 2 meter operations. Ozzie N4SCY had packet bustling except for a short head bobbing in a lawn chair. Of course without KW4RIV Chuck's power distribution system we would have been hurting. Also Bud K4CWG, Ken KB4WLT, and Ken KD4HNW had backup generators there that ensured that we never had a lapse in power.

The porta-john that Ken KD4HNW got through his boss at Anderson Rentals was a great convenience, due to weather and distance away from main rest rooms.

To all the people who came and set up, talked and CW'd from 1400 Saturday continuously until 1400 Sunday, and then helped us get it down - a great thanks. Charlie KR4YZ and Walt KD4ZAI sure unloaded a bunch of stuff at my place. Thanks for that.

I would like to really thank Dan AD4VU for his advice and help. What he learned from last year sure made it easier this year. Next year we will have a lot more equipment available.

I would like to ask all who have anything that belongs to the club to get it to me by the end of August. I'm getting everything (except what Bud has) together, inventoried and in repair for next year.

I hope I did not miss anybody. Thanks again to all who supported.

BREVARD COUNTY EMERGENCY MANAGEMENT COMMUNICATIONS FOR EMERGENCIES AND WEATHER WATCH

By Ralph KE4AGL

HAM RADIO OPERATORS should be well acquainted with the emergency operations undertaken by the Titusville Amateur Radio Club. Emergency operations include WEATHER WATCH, LOST CHILDREN, LOST ADULTS, FREAK ACCIDENTS, ETC. Any such incident should immediately be reported on the 146.910 repeater. Usually one of five people are monitoring the frequency and will respond. KE4AGL Ralph; KC4SYD Cliff, KE4MWZ Mike; AC4JX Dave and K4SJC Les.

WEATHER WATCH: Report hail of dime size or larger; Clouds starting to rotate (usually clockwise); Damaging heavy winds (usually 50 MPH or greater); Lightning storms; Tornadoes or waterspouts; Rivers flooding or flash floods; Rain (one inch per hour or more). When the Melbourne National Weather Station (or reports on TV) give an **ALERT** tune to the 146.910 repeater frequency. Be ready to report directly to the Control Operator (usually KC4SYD Cliff) and follow the instructions of the Control Operator.

For a **HURRICANE ALERT**, be ready to work with the other members of the club, other Ham Operators and REAC members as directed by the Control Operator. Members previously given an assignment should go immediately to their assigned stations and get their equipment in operation at the station.

Operators not having a previously assigned station should report to Miracle City Mall (where the control station will be located). Keep tuned to 146.910 and from time to time tune 146.750 and 28.333 since all three stations will be used in case of an emergency. Make certain that your equipment can work on batteries and that the supply will carry you through a minimum of twenty-four hours.

ASSIGNMENTS MAY BE MADE TO: Police Station; Sheriff Station; Six Fire Stations; Hospital; Schools (these are designated emergency shelters); Salvation Army emergency truck; Animal Shelter; Field Kitchens; Coordinating of trucks and materials arriving from outside area.

(continued on next page)

BEARS:
BREVARD EMERGENCY AMATEUR RADIO CLUBS: Combination of ARES and RACES members operating in case of an emergency.

RACES:
RADIO AMATEUR CIVIL EMERGENCY SERVICE
Government controlled radio operation. Dealing with Government to Government communications and using Amateurs who have been screened by the Government.

ARES:
AMATEUR RADIO EMERGENCY SERVICE
Coordinated by the American Red Cross and handles all civilian involvement in an emergency. In Brevard County, the Emergency Coordinator is the liaison person with the Red Cross and each of the North, Central and South areas Assistant Emergency Coordinators.

REAC:
RADIO EMERGENCY ASSOCIATED COMMUNICATION are the Radio amateurs using CB's for communication. In an emergency, Channel 9 will be used.

NOAA:
NATIONAL WEATHER STATIONS. Melbourne has the closest weather station.

WANTED
ONE OR TWO SECTIONS
OF RHON 25G TOWER
CONTACT WN3DHI ARCHIE
267-8918

FOR SALE
ICOM 720A HF TRANSCEIVER
COVERS ALL HAM BANDS
160 THROUGH 10
TX 200 W PEP - RCV'R
COVERS 100 KHZ - 30 MHZ
$375.00
K4EOS CLYDE LEE
267-9375

ASTOUNDING NEW ANTENNA OR GETTING DOWN TO EARTH ABOUT AERIALS

By Bill Harris K5MIL

Throw away the tower and beam, ground waves are the answer.

There is always a lot of discussion among amateurs about towers and beams. What's the best beam, best tower, how high, etc. Well, below is the answer to all those problems associated with such. No more worry about wind loading, guy wires, rotators, lightning strikes, neighbor complaints, tower restrictions, or any other of the problems that plague the radio operator with all that steel and aluminum in the sky. Install this new revolutionary antenna and work the world. Move over AEA/IsoLoop.

THE SUBANTENNA

Easily installed in just a few minutes - guaranteed to bring in loud, clear DX right through summer static. Here it is! The new, improved and perfected SUBANTENNA! Even better than its amazingly efficient predecessor which brought forth volumes of enthusiastic praise from thousands of critical fans. Now it's ready - the new SUBANTENNA - ready to prove its DX ability. Ready to challenge any type of loop or up-in-the-air aerial.

HOW THIS AMAZING NEW UNDERGROUND ANTENNA WORKS

It is a known fact that radio waves travel through the ground just as they do through the air. Ground waves, however, are much clearer than air waves, because air waves are more or less cut up with static and other disturbances, while the ground is practically free of all such interference. The new improved Subantenna - a real scientific device completely enclosed in a small, compact sealed and moisture proof can, is buried in the ground in a vertical position. It intercepts the clear, strong static free ground waves and sends them up to the receiver via a shielded cable. Comparison, station for station, of reception taken from the ground with a Subantenna and reception obtained in any other way, instantly establishes the worth of this great new device.

USERS AGREE IT IS THE GREATEST NEW THING IN RADIO

"I have a switch on my cabinet by which I can throw from an aerial to the Subantenna. For example I tune in WEAF on the Subantenna and find I have to turn down my volume control to almost a full quarter away from 'off'. Then, reversing to the aerial I can hear barely a sound, and this is only the same night I installed the Subantenna.. If it improves with settling, it should be more than remarkable." N. Seymour, Newark, NJ

"I am writing to tell you that list night I gave my Sub a good test and must say it has anything beat that I have ever seen under any conditions. The stations always come in at the exact same spot, and the quality and tone are far better than obtained with the noisy overhead aerial. You had better send me some order blanks. A. Turner, Baltimore, MD

Well, I'm convinced.

I am going to bury the dipole this week-end and start working DX via ground waves. After all, it is a straighter show to BY land straight down than over the North Pole. I can hear the discussions on the bands now; "There was great propagation through San Andres fault last night." "Oh yea, well I worked New Guinea via the Marianas Trench until a magma flow out of the Hawaiian Islands interrupted the signals."

However, a few questions remain to be answered. If my antenna is buried in the ground, should my ground system be up in the air? If I make the antenna a delta loop, would this be called a 'ground loop'? Will my 'grounded grid' amplifier work more efficiently into a 'grounded' antenna? In case of lightning should I 'unground' the antenna? When it rains, will my audio sound mushy? Will I still be able to put out a 'clean' signal? Should my QSL card have something 'dirty' on it? Will it make my grass grow faster?

OH-OH, SO MANY THINGS TO CONSIDER, MY BRAIN HERTZ.

The FCC has released its Report and Order in PR Docket 94-59, concerning HF digital communications in the Amateur Radio Service. The new rules, effective July 1, 1995, permit automatically controlled HF RTTY and data stations to communicate with one another in the following segments: 28.120 to 28.189, 24.925 to 24.930, 21.090 to 21.100, 18.105 to 18.110, 14.095 to 14.0995, 14.1005 to 14.112, 10.140 to 10.150, 7.100 to 7.105, and 3.620 to 3.635 MHz.

The new rules also permit manually controlled stations to initiate communication with automatically controlled HF RTTY and data stations. In this case the automatically controlled station may use any frequency authorized for such emissions, but may occupy a bandwidth of no more than 500 Hz.

Automatic control must cease upon notification by an FCC engineer in charge that the station is transmitting improperly or causing interference to other stations.

The FCC said it recognized the concerns of those who opposed the proposal on grounds that such operation could interfere with other amateurs, but that it believed the provisions adopted would be adequate to minimize such interference.

FROM AMATEUR RADIO NEWSLINE #929

Pat Kilroy of AMSAT says that there is a new way of ending mobile noise. Pat says that he was reading through the latest issue of a car audio catalog when he came upon a sure fire way to eliminate any noise from DC to 1 TeraHertz!

For only 170 dollars the particular supplier will sell you a 1 FARAD, 12 volt capacitor that is guaranteed to kill pesky ignition noise. That's right. We said 1 FARAD at 12 Volts DC! Imagine adding that across your power supply line.

But one word of caution. Pat says not to discharge it across your car door unless you want to weld the door to the frame.

TREASURER'S REPORT

By K4EOS Clyde Lee

BALANCE FORWARD FROM 1994	1,070.58
DEPOSITS Year to date	3,321.05
TOTAL INCOME	$4,391.63
EXPENDITURES	3,082.83
BALANCE AS AT 6/30/95	$1.308.80

JUNE MEETING

By Bobbi Sue Wood AD4VV

The meeting was called to order at 1705 hours by chuck KE4YZ in front of some 55 members and guests. After the pledge and the introductions, Pike W4EPU introduced Nancy Smith, Operational Supervisor, Brevard Coast Emergency Management. Nancy presented a very informative briefing on storm/hurricane awareness and the preparations appropriate for such situations.

After break, the following matters were addressed:

Kay KD4VFQ informed the members that the club handbook now is ready for printing and distribution, but the costs associated with this project precludes further commitment at this time.

Clyde K4EOS noted that the proposed ADOPT-A-HIGHWAY project was not proceeding well and that he had decided it was best not to pursue it further at this time.

It was announced that the next Fox Hunt will be on 7/9 starting at 1300 hrs at the K-Mart parking lot as usual.

It was announced that the next Daytona Bunny Hunt will be on 7/8 starting at 2000 hrs. We assume same start off point as usual.

Cliff KC4SYD asked for volunteers to help the Jaycees conduct the Titusville July Fourth fireworks activities.

Tom AD4NA distributed copies of the preliminary field day score sheet, showing the contacts and bonus points added up to 2200 points!

Kay KD4VFQ suggested the members consider having a pot luck dinner - perhaps in conjunction with the September meeting. Kay volunteered to coordinate the menu and other details, should there be sufficient interest in such a "social". Please contact Kay (632-8275) before the August meeting if you are interested.

Cliff KC4SYD reminded the members that August is "National Hurricane Drill Month".

The meeting adjourned at 2045 hrs.

NOTICE
TARC'S TABLE NUMBERS AT
MELBOURNE HAMFEST
ARE #5 AND #6
LES K4SJC AND WARREN KS4GP
ARE MANNING THE TABLES

Anderson RENTALS, INC.

OVER 25 YEARS SERVICE

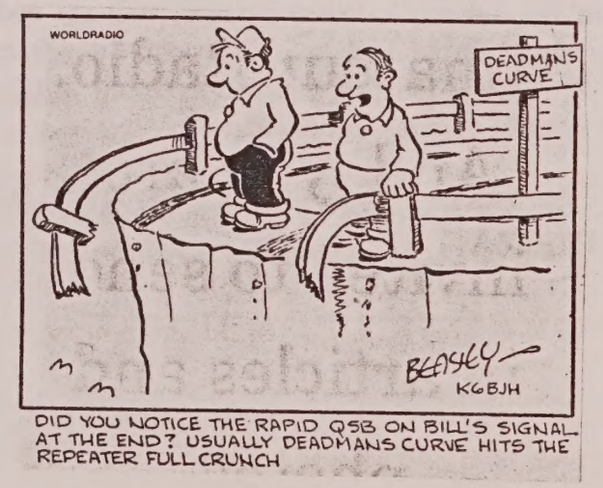
Portable Chemical Toilets • Sheds • Rest Room Trailers

FLA. 1-800-553-2213

FAX (407) 383-3408

P.O. Box 765
Mims, Florida 32754
(407) 269-9957

Call: KD4HNW
KENNETH DENMAN



DID YOU NOTICE THE RAPID QSB ON BILL'S SIGNAL AT THE END? USUALLY DEADMANS CURVE HITS THE REPEATER FULL CRUNCH

ABELL'S ANECDOTES

By Pike W4EPU

'PECKERWOODS PECK THEIR WAY INTO THE SPACE PROGRAM.

They are also commonly referred to as "Woodpeckers". Anyhow, while the space shuttle team was busy in the process of counting (backwards) down to the precise second of the liftoff of shuttle Discovery, those miserable little creatures were busy pecking 195 holes in the Styrofoam outer insulation cover of the massive external fuel tank.

Scientists, engineers and technicians set to work in devising methods to get rid of the little critters by means other than shooting them with a pellet gun. They concluded that the best was simply scare them away. A committee of Rocket Scientists, Aeronautical engineers, Computer programmers, Electronic engineers and mechanical technicians decided to blow whistles, make banging noises and hang a few inflatable rubber owls around. That would supposedly scare the woodpeckers (as they called them) half to death and they would fly away never to return.

Wrong! The little rascals were not the lease bit afraid. In fact, they appeared downright amused by it all.

Nothing was left to do but postpone the launch date, haul Discovery back to the VAB and repair the holes. In the meantime, while searching for experts to help solve the problem, they found a person at the university who had a Ph.D. in Peckernology. Ironically and coincidentally he was Dr. Peck R. Wood Ph.D. PW. Dr. Wood quickly solved the problem, or so it appeared, by blowing up a bunch of large balloons, painting scary looking eyes, tails and teeth on them and hanging them around the gantry. Apparently it worked because nary a peckerwood would come near the place.

Now I am not sure whether the birds were scared or simply lost interest. After all, by that time mating season was about over. Who wants to peck holes in things if you are not trying to impress your mate or use the holes for nesting places?

THIS AND THAT

By Joan Hoag KE4SXU

Not until I went to the churches of America.....did I understand the secret of her genius and power. America is great because she is good and if America ever ceases to be good, America will cease to be great. Alexis de Tacqueville, French historian, 1835

The reigning cliché of today is that in order to love others one must first learn to love oneself. This is a license for unremitting self-indulgence, because the quest for self love is endless. By the time you have finally learned to love yourself, you'll be playing golf at Senior's Leisure World. Charles Krauthammer

Did you hear about the CEO who vetoed a request for a chandelier in the lobby? "First of all, I can't spell it, and we have no one in the place who can play it!"

Did you know cartographers add fictitious streets called "trap" streets to their maps to catch unauthorized copiers?

A nickel ain't worth a dime anymore. Yogi Berra

Kindness speaks a language that all may use and all can understand. Silent Unity

If history has one message for us, it is that gentleness is able to accomplish what violence cannot. Eric Butterworth

Correcting someone's innocent error when it isn't vital to anything or anyone is one of the cruelest things one can do - a form of exercising tyrannical power over another. It also ruins a lot of fun, enthusiasm, conversation and love. "Friends" by Andre des Plaines

It has been estimated by K. A. Brown that by 1997 the average speed on southern California freeways will be 19 miles per hour. Cycles of Rock and Water at the Pacific Edge - K. A. Brown

Philadelphia's Christ Church was established in 1695, and the steeple was finished in 1754, having been financed by a lottery run by Benjamin Franklin.

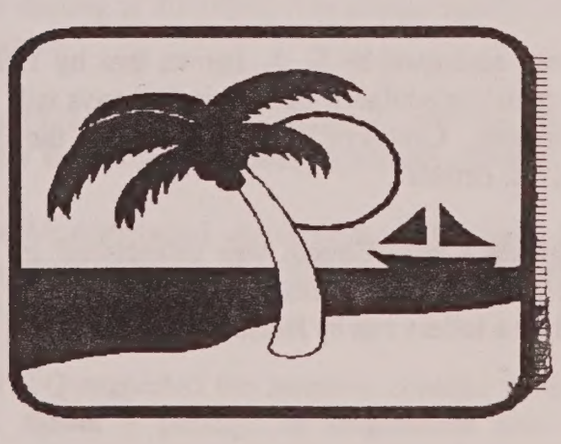
MEMBERSHIP UPDATE

Total membership: 289. (217 regular, 62 family, 10 honorary.)

NEW MEMBERS:
000000 PENNY MANION
KE4AZN KEN WATSON, JR.
KE4TKX ALAN FROGGE
KE4TRA DAVID GREENWALD
KE4TQZ SANDRA GREENWALD
KE4WJW LORNA BURDICK

RENEWALS:
KE4AGM RICHARD LASURE
KE4AGO W. B. REALY
KE4AUA LARRY BRUETT
WIBSO MAYNARD CHENEY
KD4CBT CARL HUGHES
KE4CRG STEVE SAUNDERS
K4GXR RON RICHARDSON
KE4ICN ROSS QUARNOCCIO
KE4MWG PAM QUARNOCCIO
KE4INL DAN SMITH
KE4KMU GENE HALL
KD4LGI MIKE JACOBSON
KE4LNS DON McLEAN
KE4MFT EDDIE GASS
KE4PRW MANNY ASPACIO
KR4WB CHARLES EATON
KE4WWD MADDIE ADAMS
K4ZAL MERRITT CUFFEL

HAMFEST CALENDAR

8/5-6	Jacksonville FL
8/19-20	Huntsville, AL
8/26	Madison, GA
9/9-10	Melbourne, FL
9/23	Anniston, AL
9/24	New Port Richey, FL
10/7	Biloxi, MS
10/8	Boaz, AL
10/14	Augusta, GA
10/14	Stark, FL
10/21-22	West Palm Beach, FL
10/28	Port St. Lucie, FL
11/4	Mobile, AL
11/4	Eustis/Mt.Dora, FL
11/4-5	Lawrenceville, GA
11/11	Titusville ARC Cliff Hoag, KC4SYD
11/18-19	Tampa, FL
12/2	Dotham, AL
12/2	Okeechobee, FL
12/9	Lake City, FL

TITUSVILLE AMATEUR RADIO CLUB
P. O. BOX 73
TITUSVILLE FL 32781-0073